HP Docking Station

User Guide

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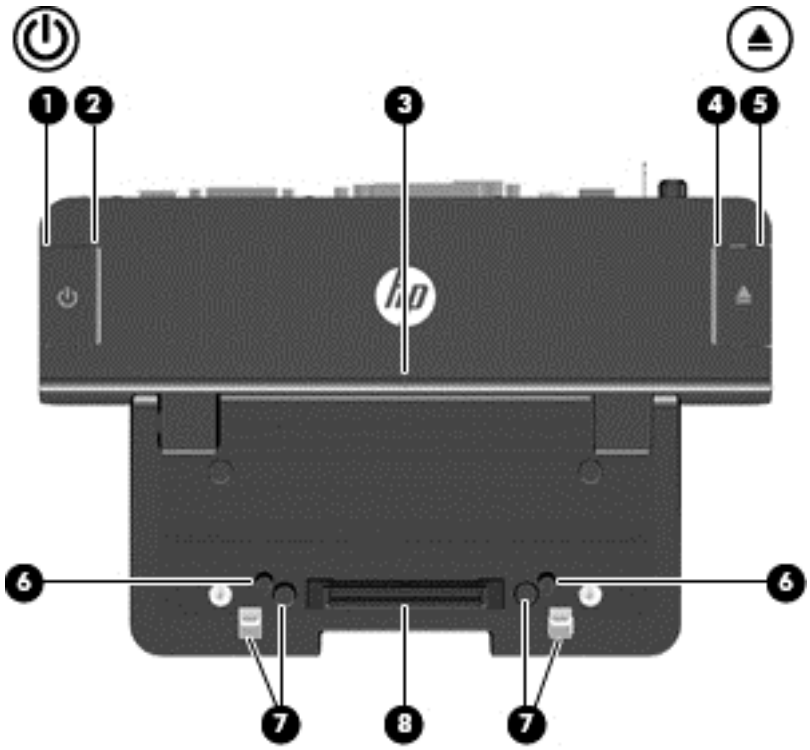
1 Components

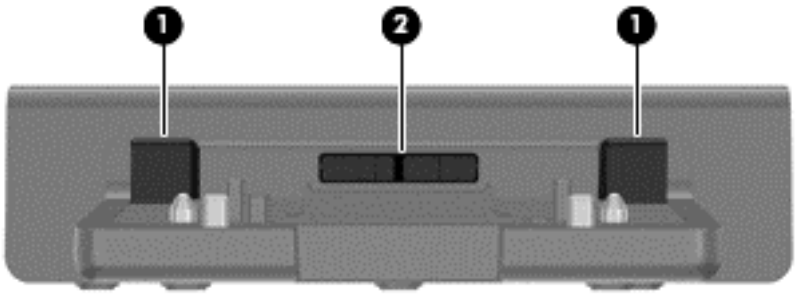
Top components



Component		Description
(1)	Power button	Turns on power to the docked computer.
(2)	Computer power light	• On: The docked computer is on. • Blinking: The docked computer is in the Sleep or Standby state. • Off: The docked computer is off or in Hibernation.
(3)	Visual alignment indicator	Helps you correctly align the computer when connecting it to the docking station.
(4)	Docking light	• On: The computer is docked properly and the docking station is connected to AC power. • Off: The computer is not docked properly or the docking station is not connected to AC power.
(5)	Computer eject button	Ejects the computer from the docking station.

Component		Description
(6)	Docking posts (2)	Align and secure the computer for proper connection to the docking station.
(7)	Computer eject mechanisms (4)	Disconnect the computer from the docking station when you press the eject button.
(8)	Docking connector	Connects the computer to the docking station.

Front components

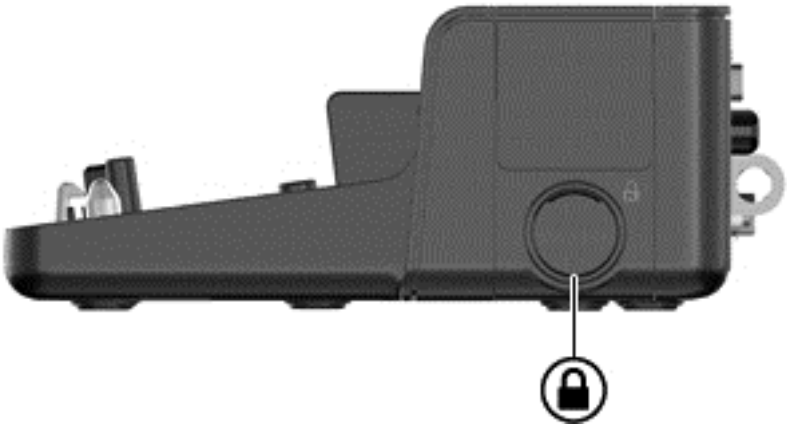


Component		Description
(1)	Battery support posts (2)	Move inward or outward, adjusting to the size of the battery on the computer so that the computer fits properly into the docking station.
(2)	Battery lever	Moves the battery support posts forward and backward.

Left-side components

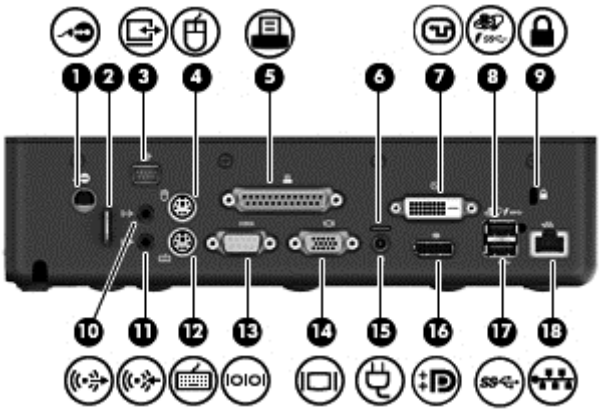
Component	Description
USB 3.0 ports (2)	Connect optional USB 3.0 devices and provide enhanced USB power performance. **NOTE:** The docked computer must support USB 3.0 to take advantage of the higher speeds that USB 3.0 offers. **NOTE:** USB 3.0 ports, also known as SuperSpeed ports, are also compatible with USB 1.0 and 2.0 devices.

Right-side component



Component	Description
HP Lock slot	Supports the lock component of the optional HP Docking Station Lock, which can secure either the docking station only or both the docking station and a docked computer. **NOTE:** Security solutions are designed to act as deterrents. These deterrents may not prevent products from being mishandled or stolen.

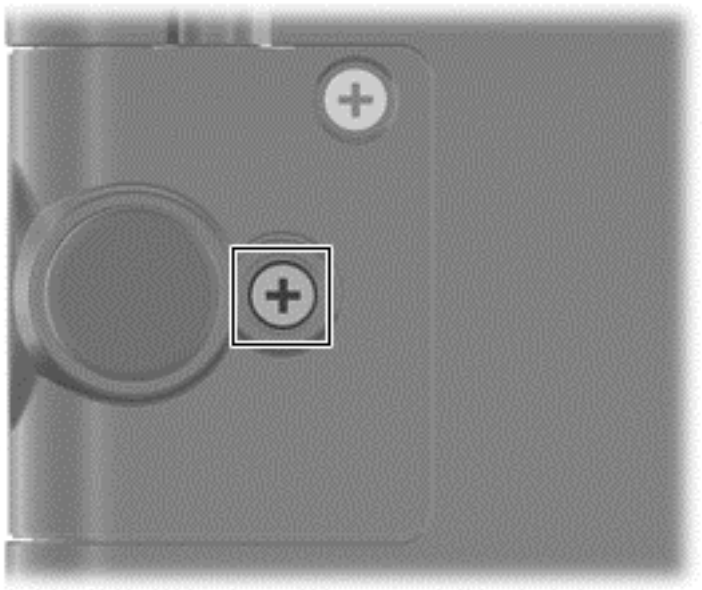
Rear components



Component		Description
(1)	HP Lock cable slot	Connects the cable component of the optional HP Docking Station Lock, which can secure either the docking station only or both the docking station and a docked computer. **NOTE:** Security solutions are designed to act as deterrents. These deterrents may not prevent products from being mishandled or stolen.
(2)	Security cable D-ring tab	Attaches an optional security cable, which secures the docking station only. **NOTE:** Security solutions are designed to act as deterrents. These deterrents may not prevent products from being mishandled or stolen.
(3)	Monitor stand port	Connects an optional HP Monitor Stand.
(4)	Mouse connector	Connects a PS/2 mouse.
(5)	Parallel port	Connects a parallel device, such as a printer.
(6)	Power light	• On: The docking station is connected to AC power. • Off: The docking station is not connected to AC power.
(7)	Digital video interface (DVI) port	Connects a single-link DVI-D device, such as a flat-panel monitor.
(8)	USB 3.0 charging port	Connects an optional USB 3.0 device and provides enhanced USB power performance. The USB 3.0 charging port can also charge select models of cell phones and MP3 players, even when the computer is off. **NOTE:** A charging USB port (also referred to as a powered USB port) allows you to charge connected USB devices. Standard USB ports will not charge all USB devices or will charge using a low current. Some USB devices require power and require you to use a powered port.
(9)	Industry-standard security cable slot	Connects an optional security cable, which secures the docking station only. Supports all industry-standard cable locks. **NOTE:** Security solutions are designed to act as deterrents. These deterrents may not prevent products from being mishandled or stolen.
(10)	Audio-out (line-out) jack	Connects optional powered stereo speakers, headphones, earbuds, a headset, or a television audio cable. **WARNING!** To reduce the risk of personal injury, adjust the volume before putting on headphones, earbuds, or a headset. **NOTE:** When a device is connected to the headphone jack, the computer speakers are disabled.

Component			Description
(11)		Audio-in (line-in) jack	Connects home audio equipment, such as CD and MP3 players. It does not support a microphone.
(12)		Keyboard connector	Connects a PS/2 keyboard.
(13)		Serial port	Connects a serial device, such as a mouse.
(14)		External monitor port	Connects an external VGA monitor or projector.
(15)		Power connector	Connects an AC adapter.
(16)		DisplayPort	Connects an optional digital display device, such as a high-performance monitor or projector.
(17)		USB 3.0 port	Connects an optional USB 3.0 device and provides enhanced USB power performance. **NOTE:** USB 3.0 ports, also known as SuperSpeed ports, are also compatible with USB 1.0 and 2.0 devices.
(18)		RJ-45 (network) jack	Connects a network cable.

Bottom component



Component	Description
HP Lock security screw	Optionally secures the HP Docking Station Lock to the docking station. **NOTE:** The security screw is not required for the lock to function correctly.

Getting more information

⚠ **WARNING!** To reduce the risk of serious injury, read the *Safety & Comfort Guide*. It describes proper workstation setup, and proper posture, health, and work habits for notebook users. The *Safety & Comfort Guide* also provides important electrical and mechanical safety information. To locate this document, refer to the documentation provided with your computer, or refer to the *Accessory User Guides* disc included with the docking station. The *Safety & Comfort Guide* is also available at http://www.hp.com/ergo.

- The user guides included with your computer contain comprehensive information about your computer as well as governmental agency and safety information about the use of your computer.
- The *Accessory User Guides* disc, included with the docking station, contains governmental agency and safety information about the use of this device.
- See the HP website at http://www.hp.com to find product news and software updates.

2 Docking and undocking

Connecting to AC power

The docking station requires AC power for full functionality of all ports.

⚠ **WARNING!** To reduce the risk of electric shock or damage to your equipment:

Plug the power cord into an AC outlet that is easily accessible at all times.

Disconnect the power from the product by unplugging the power cord from the AC outlet.

If provided with a 3-pin attachment plug on your power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin; for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.

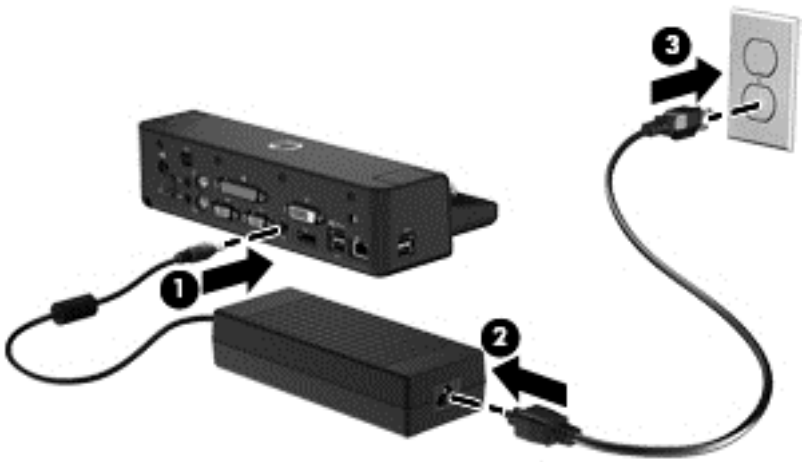
Do not place anything on power cords or cables. Arrange them so that no one can accidentally step on or trip over them.

Do not pull on a cord or cable. When unplugging a cord from the AC outlet, grasp the cord by the plug.

⚠ **WARNING!** To reduce the risk of electric shock, fire, or damage to the equipment, do not attempt to operate the computer and docking station with a voltage converter kit sold for appliances. Use only the power cord included with the docking station.

To connect the docking station to AC power:

1. Plug the AC adapter into the power connector **(1)** on the docking station.
2. Plug the power cord into the AC adapter **(2)**.
3. Plug the other end of the power cord into an AC outlet **(3)**.

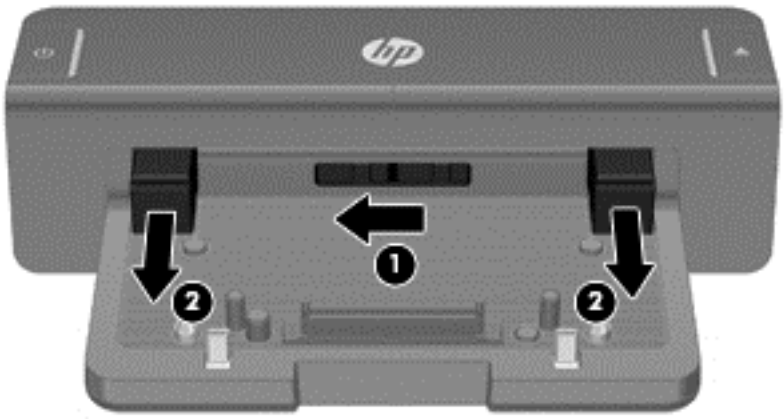


NOTE: The light above the power connector turns on when the docking station is connected to AC power.

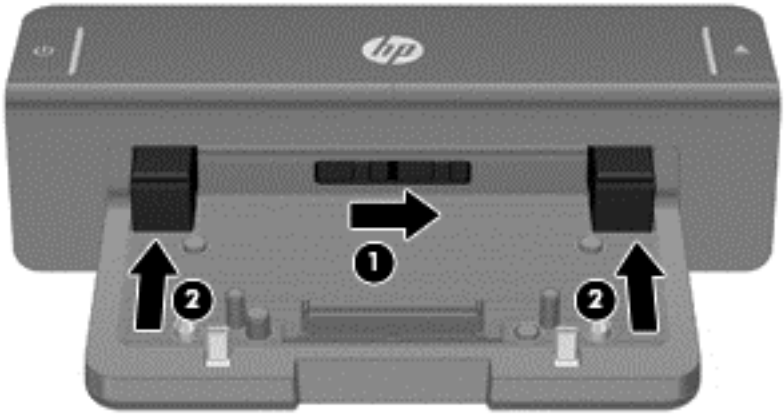
Docking the computer

To dock the computer:

1. Close the computer. If you close the computer when the power is on, the computer may enter the Sleep or Standby state. To resume operation after docking, open the computer, and then press the power button.
2. Slide the battery lever to move the battery support posts inward or outward to ensure that the computer fits properly onto the docking station.
   - If the computer has a standard-size battery that fits into the computer, slide the battery lever **(1)** to the left, moving the battery support posts **(2)** outward.

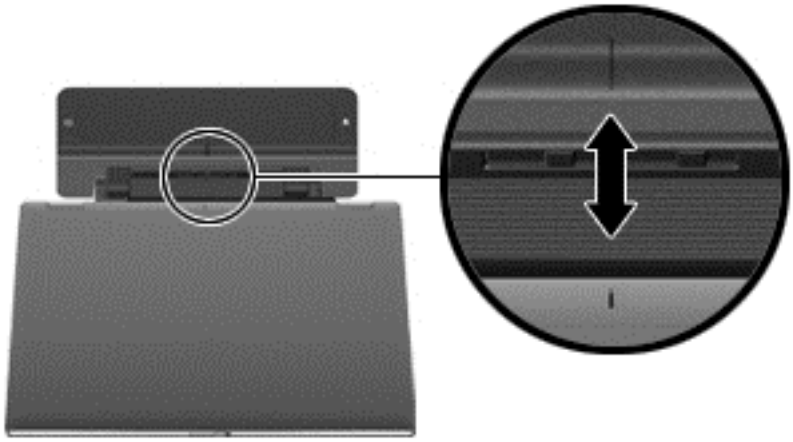


   - If the computer has a large-size battery that extends beyond the computer, slide the battery lever **(1)** to the right, moving the battery support posts **(2)** inward.



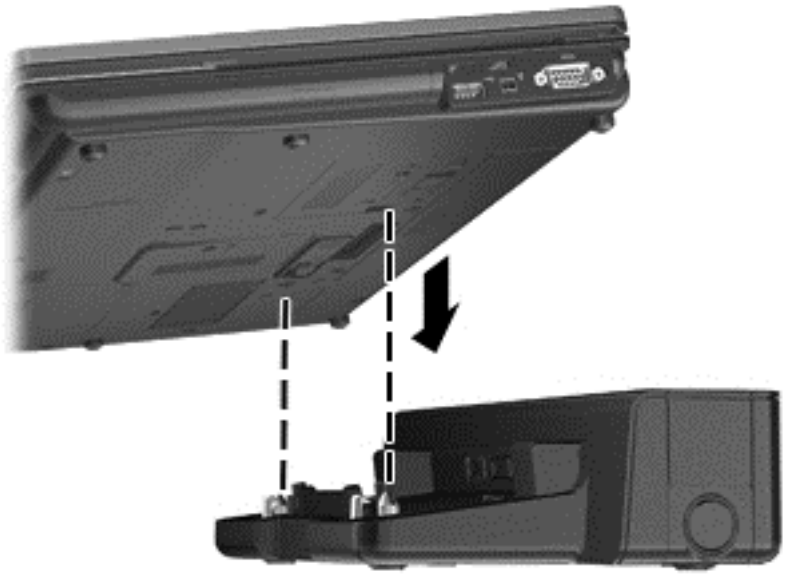
3. Rest the front edge of the computer on the surface in front of the docking station. Then lower the back edge of the computer downward.

4. Line up the visual alignment indicator on the computer with the indicator on the docking station.



5. Align the posts on the docking station with the receptors on the bottom of the computer, and then gently press the computer down onto the docking station until you hear a click. If the computer is properly aligned, the docking station docking light turns on.

NOTE: Be sure that the computer is properly aligned, seated, and fully docked. For help with most common docking problems, refer to Troubleshooting on page 16.



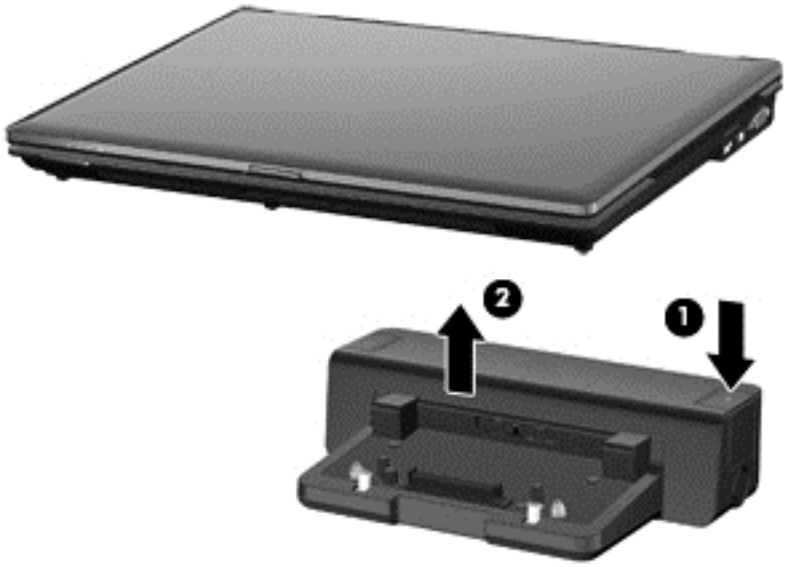
NOTE: The docking light will not turn on when you dock the computer unless the AC adapter is connected to the docking station and to an AC outlet.

Undocking the computer

To undock the computer:

1. Close the computer. If you close the computer when the power is on, the computer may enter the Sleep or Standby state. To resume operation after undocking, open the computer, and then press the power button.

2. Press the eject button **(1)**. The computer disconnects from the docking station.
3. Lift up the computer **(2)**.

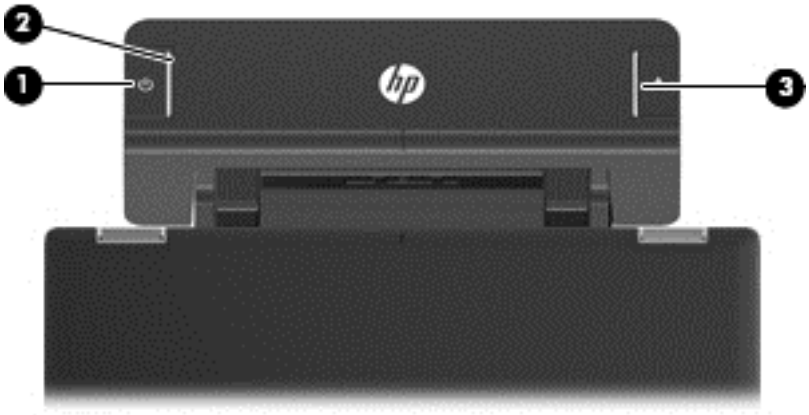


3 Using the docking station

Turning the computer on and off

When you connect a computer to the docking station, you can turn the computer on and off using either the computer power button or the docking station power button **(1)**. When you turn on the system, the computer power light turns on **(2)**. When you properly align the computer to the docking station and complete docking, the docking light **(3)** turns on.

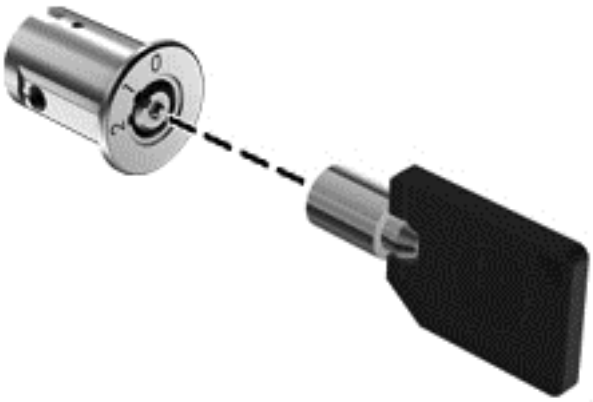
NOTE: The docking station computer power light and docking light will not turn on when you dock the computer unless the AC adapter is connected to the docking station and to an AC outlet. For help with the most common docking problems, refer to Troubleshooting on page 16.



Installing the HP Docking Station Lock

NOTE: Security solutions are designed to act as deterrents. These deterrents may not prevent products from being mishandled or stolen.

The HP Docking Station Lock (purchased separately) allows you to secure either the docking station only or the docking station and a docked computer.

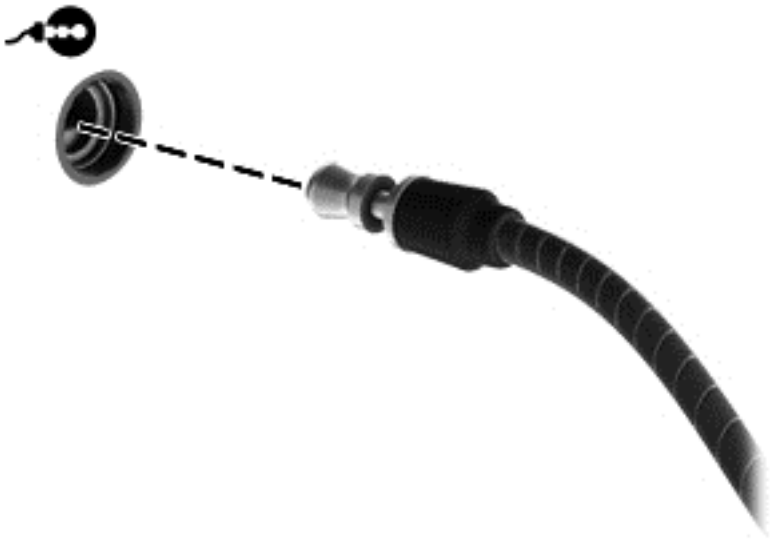


Lock position	Description
0	Use this position to install or remove the lock and security cable. In this position, all equipment is unsecured: • Key cannot be removed from the lock. • Lock can be installed or removed. • Security cable can be installed or removed. • Computer can be docked or undocked.
1	Use this position to secure equipment: • Key can be removed from or inserted into the lock. • Lock is secured. • Security cable is secured. • Docking station is secured. • Computer can be docked or undocked, and is unsecured.
2	In this position, all equipment is secured: • Key can be removed from or inserted into the lock. • Lock is secured. • Security cable is secured. • Docking station is secured. • Docked computer is secured.

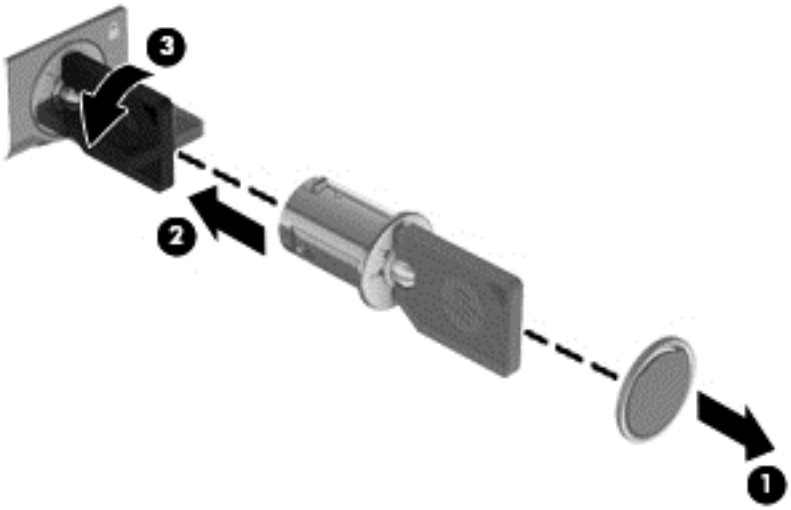
To install the security cable and lock:

1. Loop the cable around a stationary object.

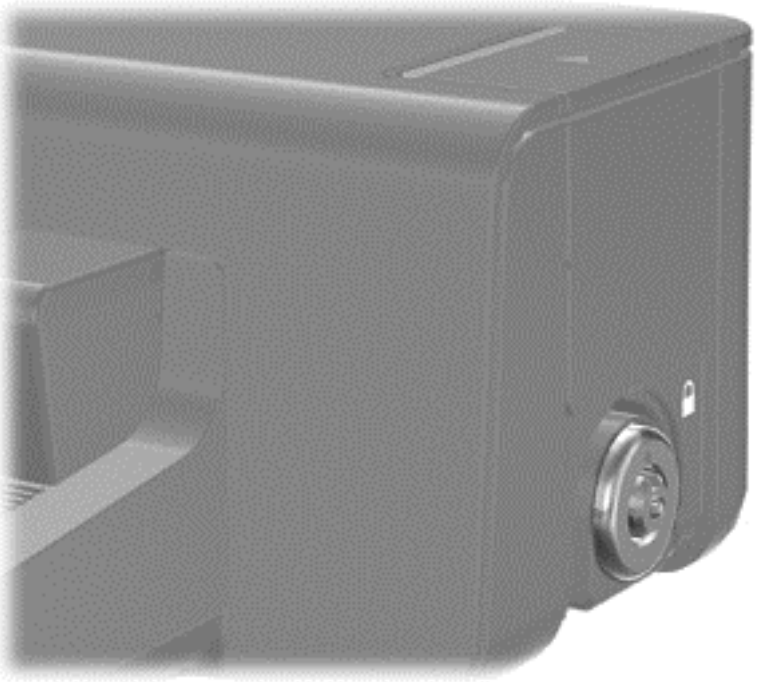
2. Insert the cable connector into the HP Lock cable slot at the back of the docking station. To locate the HP Lock cable slot on your docking station, refer to Rear components on page 3.



3. Remove the lock bezel blank from the HP Lock slot on the right side of the docking station **(1)**. To locate the HP Lock slot on your docking station, refer to Right-side component on page 3.
4. With the lock and key in the 0 position, insert the lock into the HP Lock slot **(2)**.
5. Turn the key to the 1 or 2 position to secure the lock and security cable **(3)**, and then remove the key.



The following illustration shows the docking station with the HP Docking Station Lock installed.



A Troubleshooting

This section provides three resources for resolving issues you may encounter when using your docking station. Try these resources in the following order:

1. Many problems may be easy to resolve, as indicated in the next section.
2. Refer to your computer's Help. The name and location of your computer's Help may vary by operating system. To locate Help, refer to the documentation provided with your computer.
3. If you need additional assistance, see the HP website at http://www.hp.com/support/. Then select your country or region.

Solving common problems

Docking and undocking problems and solutions

Problem	Possible cause	Solution
The docking station does not turn on after the computer seems to be docked.	The computer may be properly aligned but may not be fully seated or docked in the docking station.	Lift the computer away from the docking station. Realign the computer visual alignment indicator with the indicator on the docking station, and then reconnect the computer. Be sure that the computer is properly aligned, seated, and fully docked by gently pressing down on the computer until you hear a click. If accessories are attached, they should now work properly.
The computer is on and seems to be properly docked, but the docking station computer power light and docking light are not on.	The power cord is not plugged into either the docking station or the AC outlet.	Properly plug in the power cord.
Some of the ports or connectors do not work, even though the docking light is on.	The computer may be properly aligned but may not be fully seated or docked in the docking station.	Lift the computer away from the docking station. Realign the computer visual alignment indicator with the indicator on the docking station, and then reconnect the computer. Be sure that the computer is properly aligned, seated, and fully docked by gently pressing down on the computer until you hear a click. If accessories are attached, they should now work properly.

The computer will not disconnect from the docking station.	The connectors may be jammed.	Press the eject button all the way in. If the computer does not disconnect, repeat this procedure to disconnect the computer. **CAUTION:** Applying excessive force may damage connector pins.
	The HP Docking Station Lock is in the locked position.	Unlock the lock, and then disconnect the computer.

External device problems and solutions

Problem	Possible cause	Solution
A new device is not recognized as part of the system.	The computer may be properly aligned but may not be fully seated or docked in the docking station.	Lift the computer away from the docking station. Realign the computer visual alignment indicator with the indicator on the docking station, and then reconnect the computer. Be sure that the computer is properly aligned, seated, and fully docked by gently pressing down on the computer until you hear a click. If accessories are attached, they should now be recognized by the system.
	The device cable or power cord is loose.	• Be sure that all cables are securely connected to the device and the docking station. • Be sure that all power cords are securely connected to the device or the docking station and to an AC outlet.
	The device was connected while the system was on.	Turn off the computer, turn on the device (if applicable), and then restart the computer.
	Cabling is incorrect.	Be sure that the device cable is in the correct connector on the docking station.
	You may need to install device drivers on the computer.	Install drivers according to the device manufacturer's instructions.

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